BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 3000000.00

Name of Work: Detailed Estimate for the work of Improvements to roads and drains at Supreme layout (vinivink Shastri) in ward no -01 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 Earth work in surface excavation in hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 6/ Item No. 2.1/ PWD SR 2018-19	cum							
	Supreme layout for RCC drain								
	main road		1	100.00	1.00	1.00	100.00		
	1st cross road		1	95.00	1.00	1.00	95.00		
	2nd cross road		1	102.00	1.00	1.00	102.00		
	culvert		3	7.50	1.50	1.00	33.75		
							330.75	**263.94**	**87298.00**
	Basic Rate	249.00							
	Area Weightage 6%	14.94							
	Grand Total	263.94							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K M (Item No 17.4 Page 136 (SR 2018-19)	cum							
			Vide Item No. 1				**330.75**	**87.56**	**28959.00**
	Basic Rate for loading and unloading	57.00							
	Basic Rate for Haulage upto 8.00 k m =1.28 X 2.50 X 8	25.60							
	Basic Rate	82.60							
	Area Weightage 6%	4.96							
	Grand Total	87.56							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS	Cum							
	Supreme layout for RCC drain								
	main road		1	100.00	1.00	0.15	15.00		
	1st cross road		1	95.00	1.00	0.15	14.25		
	2nd cross road		1	102.00	1.00	0.15	15.30		
	culvert		3	7.50	1.50	0.15	5.06		
							49.61	5408.12	268310.00
	Basic Rate	5102.00							
	Area Weightage 6%	306.12							
	Grand Total	5408.12							
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 271 Ite mo 37.59.2 SR 2018-19	Cum							
	for RCC drains bed								
	main road		1	100.00	0.90	0.15	13.50		
	1st cross road		1	95.00	0.90	0.15	12.83		
	2nd cross road		1	102.00	0.90	0.15	13.77		
	culvert		3	7.50	1.20	0.23	6.21		
	side walls	1x2	2	100.00	0.15	0.75	22.50		
		1x2	2	95.00	0.15	0.75	21.38		
		1x2	2	102.00	0.15	0.75	22.95		
		3x2	6	7.50	0.23	0.90	9.32		
							122.45	**7070.20**	**865711.00**
	Basic Rate	6670.00							
	Area Weightage 6%	400.20							
	Grand Total	7070.20							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications Specification No. TMT bars Fe 500 KBS 4.6.3 Page No. 18/ Item No. 4.46/ PWD SR 2018-19	Tonne							
	for RCC drain 60 kg/cum		0.060	106.92			6.42		
	for culvert 75 kg/cum		0.075	15.53			1.16		
				122.45			7.58	75223.96	570166.00
	Basic Rate	70966.00							
	Area Weightage 6%	4257.96							
	Grand Total	75223.96							
6	RCC Precast covering slab for drain (10cm thick)	sqm							
	main road		1	100.00	0.90		101.90		
	1st cross road		1	95.00	0.90		96.90		
	2nd cross road		1	102.00	0.90		103.90		
	missing covering slabs		1	35.00	0.90		36.90		
							339.60	2100.00	713160.00
	Rate Approved by BBMP	2100.00							
7	Providing precast slab of **250 mm thick including cost of all** materials, labour, curing,transportation,loading ,unloading,etc ,complete as per the direction of engineer in charge-	sqm							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		3	13	1.20	0.60		28.08		
	Data Rate	5111.00					**28.08**	**5111.00**	**143516.88**
							Sub Total		**2677120.88**
13	GST of 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018								321254.51
14	Miscellaneous charges								1624.61
								Total	**3000000.00**
	(Rupees Thirty Lakhs Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka sub Division
Bangalore-64

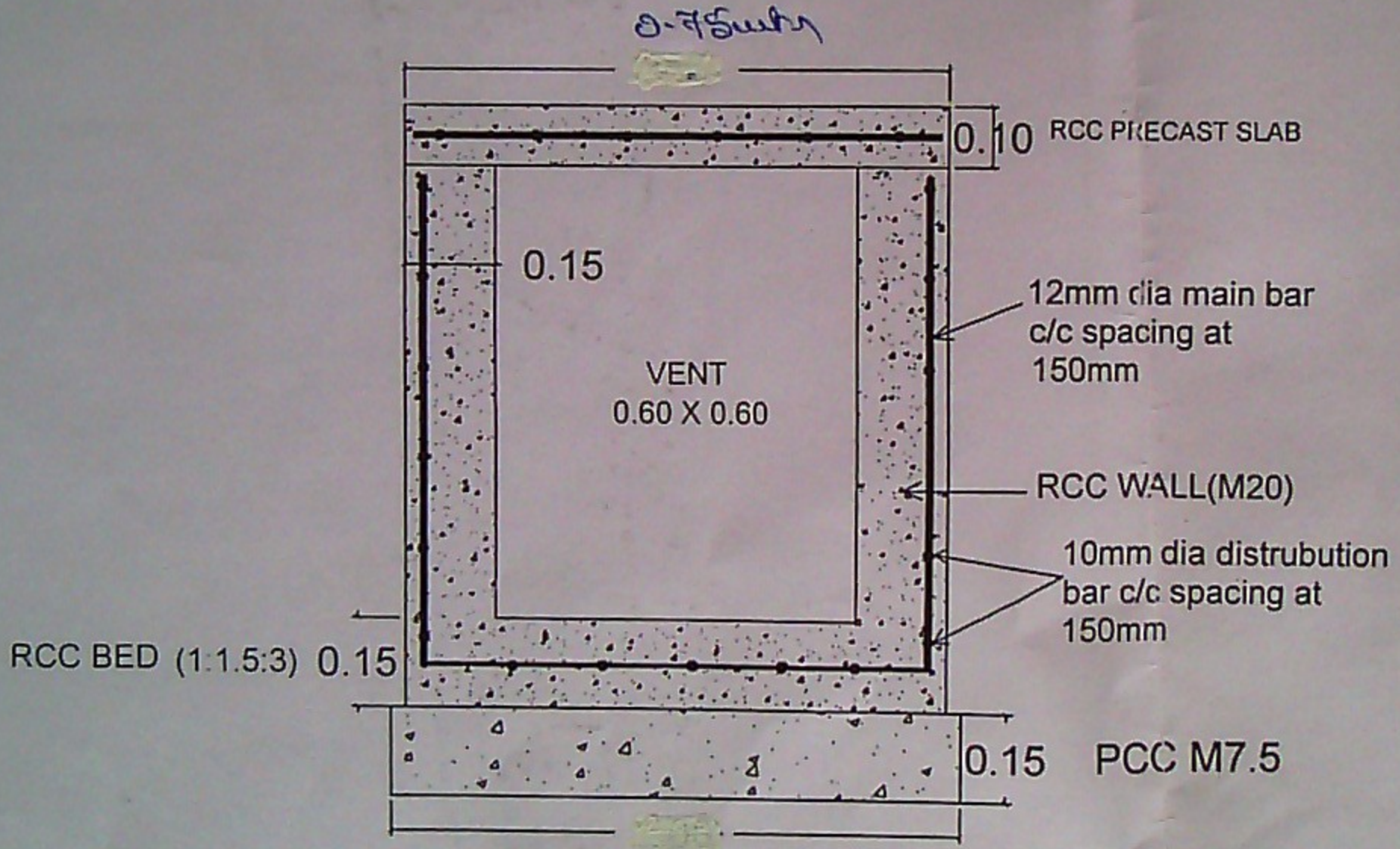
Administrative Approval
Accorded For ..... Rs 30.00 lakh
Head of A/C.....
CER NO :BA/50/18-19 Dt:04.10.18

TA CE (YNK)

Technical Sanction
Accorded For ..... Rs 30.00 lakh
Head of A/C.....
CER NO :TS/63/18-19 Dt:.. 04.10.18

TA CE (YNK)

TYPICAL CROSS SECTION FOR DRAIN



CROSS SECTION OF RCC DRAIN

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 1- KEMPEGOWDA WARD

150 - YELAHANKA AC

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VILLAGE BOUNDARY
VILLAGE BOUNDARY
EXI CMC WARD BND
EXI CMC WARD BND
GOVINDAPURA
YELAHANKA AIRPORT AREA
BSF, STC YELAHANKA
BELLARY ROAD
EXI CMC WARD BND
KEB LAYOUT PHASE-I
VILLAGE BOUNDARY
RYAN INTERNATIONAL SCHOOL
ALI ESTATE
POLICE TRAINING CENTRE
SAI SPRING FIELD COLONY
VASUDEVAPURA
BSF BUS STOP
VINAYAKNAGAR
KENCHENAHALLI
CANADIAN INTERNATIONAL SCHOOL
RAILWAY LINE
G L RAJU COLONY
MACHENAHALLI
SATYAPPA ANJINAPPA KEMPAMMA LAYOUT
LAKE VIEW RESIDENCY
YALAHANKA KERE
BANGALORE SPOKES INDIA PVT LTD
VENKATALA
VENKATALA LAYOUT
VENKATAPPA LAYOUT
EXI CMC WARD BND
RAILWAY LINE
EXI CMC WARD BND
BELLARY ROAD
CHOWDESWARI LAYOUT
MARUTHI NAGAR
MARUTHINAGAR
RAILWAY STATION
KENDRIYA VIHAR
KAMAKSHAMMA LAYOUT
SHANKARENA LAYOUT
EXI CMC WARD BND
FM GOETZE PLANT
BAZZAR ROAD
KOLAPPA LAYOUT
BADRANNA LAYOU
JAYANNA LAYOUT
YELAHANKA
MAHESHWARE NAGAR
EAST COLONY
HOSPITAL ROAD
N.E.S MAIN RD
GANDHI NAGAR
EXI CMC WARD BND
DODABALLAPURA RD
BELLARY ROAD
NEHRU NAGAR
BELLARY ROAD BYPASS
JAKKUR ROAD
SURABHI LAYOUT
BELLARY ROAD
RAILWAY LINE
EXI CMC WARD BND
JAKKUR ROAD
VIDYASHILP ACADAMY SCHOOL
EXI CMC WARD BND
EXI CMC WARD BND
MANTRI TOWN SHIP
SHOBHA ULTIMA VILAS

NOTIFICATION NO. UDD 59 MLR 2009, DATE. 15.07.09

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PROPOSED WARD BOUNDARY